

Title (en)
DEAD-TIME CORRECTION SYSTEM AND METHOD

Title (de)
TOTZEITKORREKTURSYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE CORRECTION DE TEMPS MORT

Publication
EP 3226036 A2 20171004 (EN)

Application
EP 17157982 A 20170224

Priority
US 201662300257 P 20160226

Abstract (en)
A system includes a pulse counter having a selectable pulse counter read-out rate, a pulse counter read-out (PCRO) storage register that stores a PCRO count, and a pulse-burst counter that has a pulse-burst counter read-out rate that is faster than all but the fastest selectable pulse counter read-out rate, a subtractor module in electronic communication with the pulse counter and the PCRO that subtracts the PCRO count from the pulse counter read-out count to output an uncorrected pulse count, a selection module in electronic communication with the pulse-burst counter that selects the pulse counter read-out rate in response to input from the pulse-burst counter, a multiplexer in electronic communication with the subtractor module and the selection module, the multiplexer selecting from among at least two dead-time correction transforms, the transform corresponding to the selected pulse counter read-out rate, and a control-and-readout module that outputs a dead-time corrected pulse rate.

IPC 8 full level
G01T 1/17 (2006.01)

CPC (source: CN EP US)
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US 10168435 B2 20190101; **US 2017248704 A1 20170831**; CN 107132569 A 20170905; CN 107132569 B 20190806; EP 3226036 A2 20171004;
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